

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122021\
 Data File : VU046504.D
 Acq On : 20 Dec 2021 11:20
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050153

Quant Time: Dec 20 15:45:58 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Dec 20 00:25:10 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	139376	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	139714	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.813	152	78178	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	54020	47.051	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.100%
7) Chloroethane-d5	1.922	69	39288	44.569	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.140%
11) 1,1-Dichloroethene-d2	2.578	63	94735	45.964	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.920%
21) 2-Butanone-d5	4.646	46	73063	80.052	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	80.050%
24) Chloroform-d	5.070	84	92715	48.358	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.720%
26) 1,2-Dichloroethane-d4	5.707	65	60119	46.723	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.440%
32) Benzene-d6	5.732	84	179073	44.719	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.440%
36) 1,2-Dichloropropane-d6	6.694	67	53866	43.404	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	86.800%
41) Toluene-d8	7.903	98	165105	45.283	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.560%
43) trans-1,3-Dichloroprop...	8.182	79	27207	45.414	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.820%
47) 2-Hexanone-d5	8.636	63	55736	94.720	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.720%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	83444	44.336	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	88.680%
66) 1,2-Dichlorobenzene-d4	12.195	152	63595	42.240	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.480%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.388	85	77795	51.303	ug/L	98
3) Chloromethane	1.527	50	62860	46.346	ug/L	99
5) Vinyl chloride	1.610	62	66582	48.687	ug/L	100
6) Bromomethane	1.864	94	39230	50.611	ug/L	99
8) Chloroethane	1.942	64	38898	49.125	ug/L	98
9) Trichlorofluoromethane	2.147	101	91219	51.091	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.591	101	49298	48.610	ug/L	98
12) 1,1-Dichloroethene	2.588	96	46423	48.171	ug/L	95
13) Acetone	2.665	43	71332	62.536	ug/L	94
14) Carbon disulfide	2.803	76	142584	47.688	ug/L	99
15) Methyl Acetate	2.961	43	54667	41.112	ug/L	98
16) Methylene chloride	3.054	84	52694	45.958	ug/L	98
17) trans-1,2-Dichloroethene	3.359	96	48701	47.753	ug/L	99
18) Methyl tert-butyl Ether	3.369	73	152034	48.372	ug/L	99
19) 1,1-Dichloroethane	3.877	63	87280	47.069	ug/L	99
20) cis-1,2-Dichloroethene	4.671	96	51401	46.449	ug/L	98
22) 2-Butanone	4.729	43	88454	71.235	ug/L	98
23) Bromochloromethane	4.983	128	27144	48.567	ug/L	90
25) Chloroform	5.093	83	93630	45.445	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.800	62	75907	49.650	ug/L	97
29) Cyclohexane	5.395	56	74588	45.847	ug/L	98
30) 1,1,1-Trichloroethane	5.324	97	86532	50.456	ug/L	98
31) Carbon tetrachloride	5.530	117	73565	50.527	ug/L	96
33) Benzene	5.777	78	203389	48.098	ug/L	100
34) Trichloroethene	6.546	95	51657	46.371	ug/L	98
35) Methylcyclohexane	6.768	83	84945	49.178	ug/L	99
37) 1,2-Dichloropropane	6.793	63	51336	46.344	ug/L	100
38) Bromodichloromethane	7.109	83	70184	47.669	ug/L	100
39) cis-1,3-Dichloropropene	7.610	75	81104	48.128	ug/L	99
40) 4-Methyl-2-pentanone	7.793	43	142016	87.260	ug/L	98
42) Toluene	7.973	91	215838	47.569	ug/L	99
44) trans-1,3-Dichloropropene	8.215	75	80242	48.482	ug/L	97
45) 1,1,2-Trichloroethane	8.401	97	51562	46.397	ug/L	99
46) Tetrachloroethene	8.555	164	40306	49.235	ug/L	95
48) 2-Hexanone	8.687	43	120360	82.692	ug/L	99
49) Dibromochloromethane	8.813	129	56364	48.298	ug/L	95
50) 1,2-Dibromoethane	8.925	107	55574	46.125	ug/L	99
51) Chlorobenzene	9.449	112	135474	46.150	ug/L	99
52) Ethylbenzene	9.571	91	233506	47.818	ug/L	100
53) m,p-Xylene	9.697	106	91992	48.305	ug/L	100
54) o-xylene	10.102	106	87839	47.535	ug/L	99
55) Styrene	10.115	104	154689	49.032	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.784	83	87562	45.957	ug/L	100
59) Bromoform	10.295	173	41778	45.554	ug/L	99
60) 1,2,3-Trichloropropane	10.825	75	72790	42.475	ug/L	99
61) Isopropylbenzene	10.488	105	232385	45.686	ug/L	99
62) 1,3,5-Trimethylbenzene	11.089	105	200536	47.299	ug/L	100
63) 1,2,4-Trimethylbenzene	11.468	105	201882	47.594	ug/L	99
64) 1,3-Dichlorobenzene	11.748	146	108314	44.829	ug/L	99
65) 1,4-Dichlorobenzene	11.838	146	109663	43.916	ug/L	99
67) 1,2-Dichlorobenzene	12.214	146	108339	44.526	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.996	75	22067	48.335	ug/L	98
69) 1,3,5-Trichlorobenzene	13.221	180	81435	46.256	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	70783	45.308	ug/L	99
71) Naphthalene	14.086	128	255165	46.936	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	75460	47.366	ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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